

Sub Spec.
Approved for
Entry
C. Cooley



Substitute Specification

Field of the Invention

5 The present invention concerns a method for adjusting an interface formed during operation between a specific light liquid phase and a specific heavier liquid phase to a wanted radial level in a centrifugal separator.

Background of the Invention

10 A centrifugal separator of this kind comprises a rotor, which is rotatable around a rotation axis in a certain rotational direction, which rotor forms inside itself

- an inlet chamber, in which a conduit for the supply of a mixture of the two liquid phases, which are to be separated, opens
- 15 - a separation chamber communicating with the inlet chamber,
- an outlet device for the discharge of the specific light liquid phase separated during operation the outlet device including an outlet passage, which is connected to a radial inner portion of the separation chamber, and
- 20 - another outlet device for the discharge of the specific heavier liquid phase separated during operation this outlet device comprising an outlet channel formed in the rotor, which extends radially and has an inlet opening at its radial outer end located at a certain radial level in a radial outer portion of the separation chamber
- 25 and at its radial inner end opens in an outlet chamber surrounding the rotation axis, in which the specific heavier liquid phase forms a rotating liquid body having a radially inwardly turned free liquid surface. The radial position of the free liquid surface, during operation takes a position at a level in balance with the pressure prevailing in the separation chamber at the inlet opening, and in which a discharge
- 30 device is arranged. The discharge devices non-rotatable with the rotor and has at